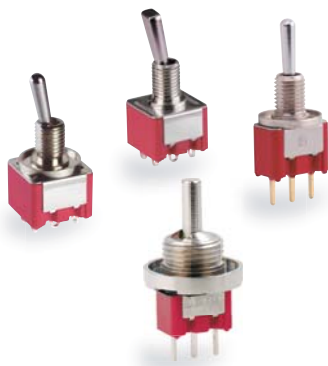


**SPECIFICATIONS****CONTACT RATING:** AC 125V 6A, AC 250V 3A ,DC 28V 3A**MECHANICAL LIFE:** 100,000 make-and-break cycles
DC 10V & 0.1mA.**CONTACT RESISTANCE:** 10 mΩ max.**INSULATION RESISTANCE:** 500MΩ min/500VDC**DIELECTRIC STRENGTH:** 1,000 Vrms min.@sea level.(initial value)**OPERATING TEMPERATURE:** -40°C to 85°C.**MATERIALS****CASE:** Diallyl phthalate (DAP) (UL94v-0).**ACTUATOR:** Brass, chrome plated.**BUSHING:** Brass, nickel plated.**HOUSING:** Stainless Steel.**SWITCH SUPPORT:** Brass, tin plated.**TERMINAL/CONTACT:** Brass with silver or gold plated.
(See page 23)**HOW TO ORDER**

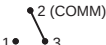
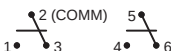
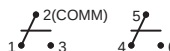
MODEL NO.	ACTUATOR	BUSHING	TERMINAL TYPE	TERMINAL PLATING	SEAL	RoHS SOLDERING
SP	T1 10.5 high	B6 8.00 high	M1 Solder Lug	Q Silver	E EPOXY (std)	S RoHS & Lead Free
TGS03-S1 ON-NONE-ON	T2 5.4 high		M2 PC thru-hole	R Gold	N NO EPOXY	
TGS03-S2 ON-NONE-(ON)	T3 14.2 high	Splash proof		C Gold over silver		
TGS03-S3 ON-OFF-ON	T4 16.4 high	B9 7.48 high				
TGS03-S4 (ON)-OFF-(ON)	T5 21.4 high	BA1 9.00 high *				
TGS03-S5 ON-OFF-(ON)	T6 11.5 high					
	T61 21.5 high					
DP	T12 11.2 high *					
TGS03-D1 ON-NONE-ON						
TGS03-D2 ON-NONE-(ON)						
TGS03-D3 ON-OFF-ON						
TGS03-D4 (ON)-OFF-(ON)						
TGS03-D5 ON-OFF-(ON)						

* T12 actuator are only available with BA1 bushing

EXAMPLE: TGS03-S1T1B6M1QES



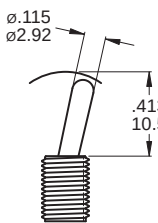
▼ SWITCH FUNCTION

NO. POLES	MODEL NO.	SWITCH FUNCTION			CONNECTED TERMINALS / SCHEMATIC		
		POS.1	POS.2	POS.3	POS.1	POS.2	POS.3
							
SP	TGS03-S1	ON	NONE	ON		N/A	
	TGS03-S2	ON	NONE	(ON)		OPEN	
	TGS03-S3	ON	OFF	ON			
	TGS03-S4	(ON)	OFF	(ON)			
	TGS03-S5	ON	OFF	(ON)			
DP	TGS03-D1	ON	NONE	ON		N/A	
	TGS03-D2	ON	NONE	(ON)		OPEN	
	TGS03-D3	ON	OFF	ON			
	TGS03-D4	(ON)	OFF	(ON)			
	TGS03-D5	ON	OFF	(ON)			

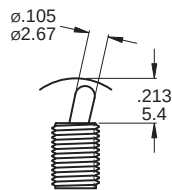
() =MOMENTARY

▼ ACTUATOR OPTIONS

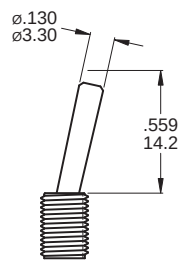
T1 STD



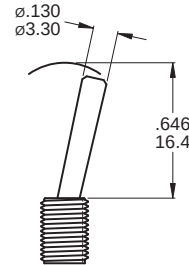
T2



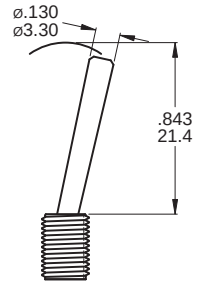
T3



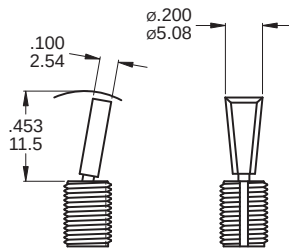
T4



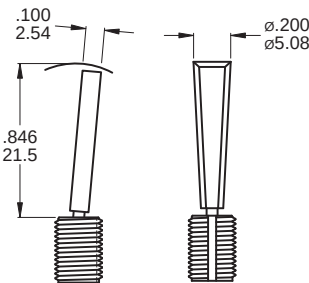
T5



T6 * FLATTED WITH ANTIROTATION



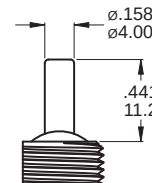
T61 *



* T6, T61 can only be use with B6 bushing.

T12

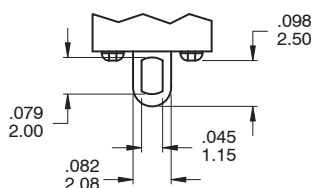
T12 use with BA1 bushing only



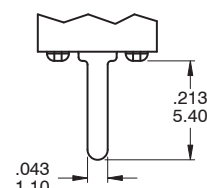
Note: The mechanical life of the T12 actuator is 200,000 cycles

▼ TERMINAL OPTIONS

M1 Solder lug



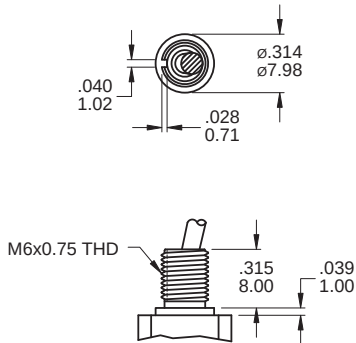
M2 PC Thru - hole



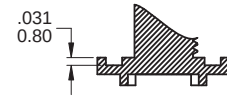
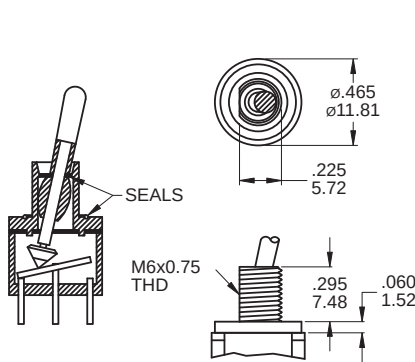


▼ BUSHING OPTIONS

B6 HIGH TORQUE

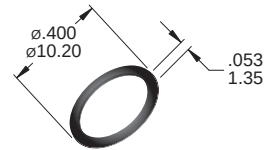


B9 SPLASH PROOF



O-RING

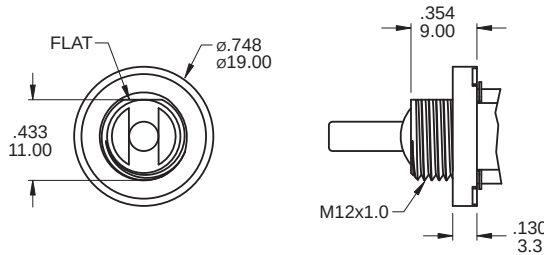
Model name. CP-1TEB



B9 bushing with O-Ring

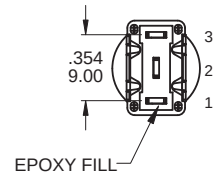
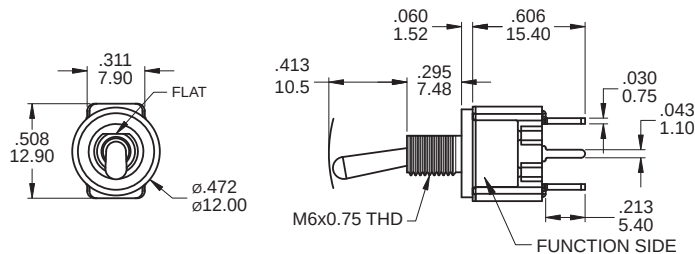
BA1 SPLASH PROOF

Only available for actuator T12.



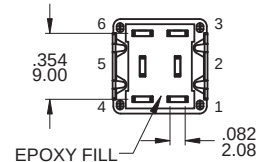
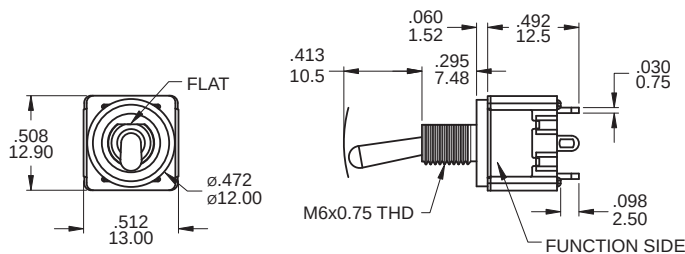
Note: BA1 Bear strength from top of actuator up to 10kg, aside up to 15kg

▼ POLE OPTIONS



SPDT

Model name. TGS03-S1T1B9M2RES



DPDT

Model name. TGS03-D1T1B9M1QES

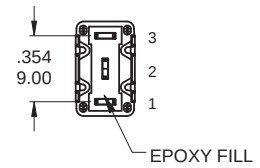
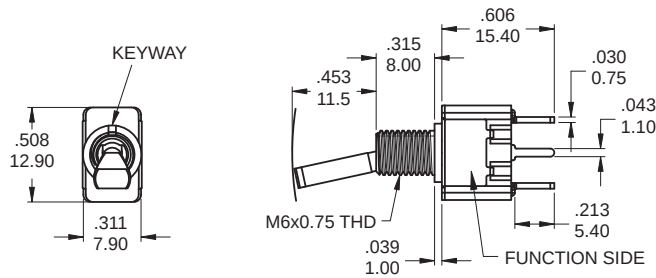


TGS03 Series

Miniature Toggle Switches

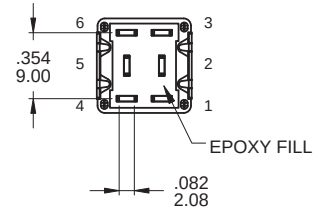
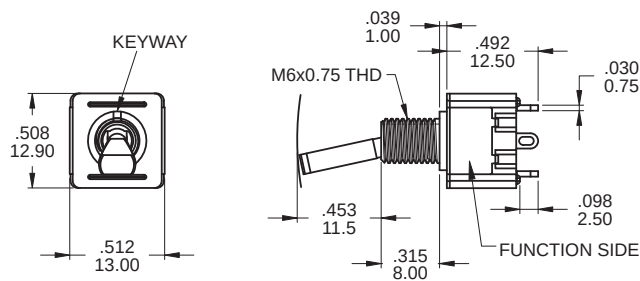


POLE OPTIONS



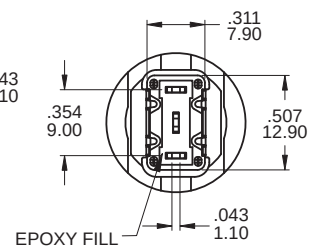
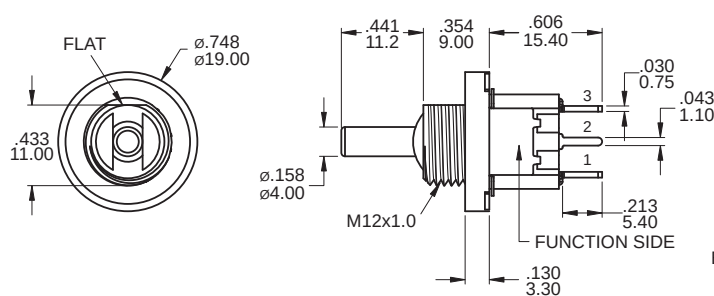
SPDT

Model name. TGS03-S1T6B6M2QES



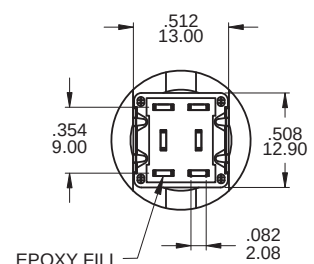
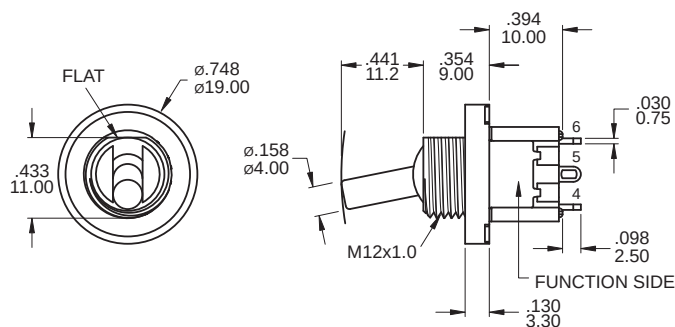
DPDT

Model name. TGS03-D1T6B6M1QES



SPDT

Model name. TGS03-S3T12BA1M2QES



DPDT

Model name. TGS03-D1T12BA1M1QES



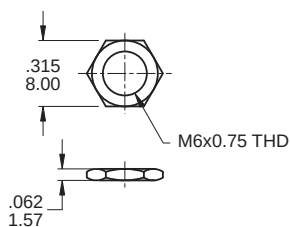
▼ HARDWARE

EXAMPLE:  - 
Model name.  5 Standard hardware

* Standard for B6 bushing : 2 nut, 1 locking ring, 1 lockwasher
* For further information please consult sales representativity.

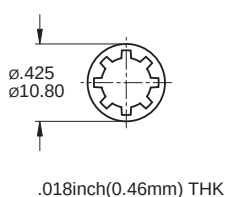
M6x0.75 NUT (Std.)

Model name. MNU-1M04



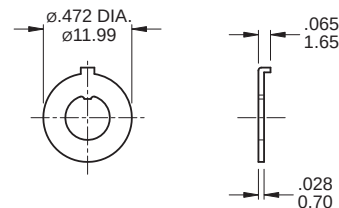
LOCKWASHER (Std.)

Model name. MNU-1M03



LOCKING RING (Std.)

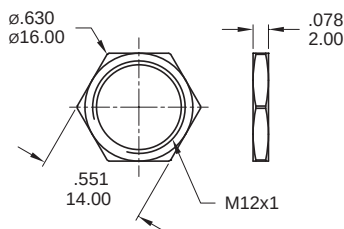
Model name. MNU-1M05



Available with bushing B6 only.

M12x1 NUT (Std.)

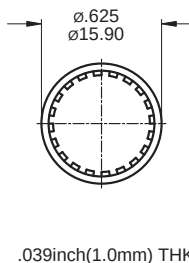
Model name. MNU-1M42



Available with bushing BA1 only.

LOCKWASHER (Std.)

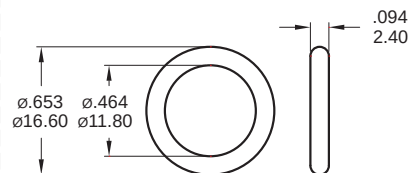
Model name. MNU-1M09



Available with bushing BA1 only.

O-RING (Std.)

Model name. FCP-1F04



Available with bushing BA1 only.

▼ CONTACT & TERMINAL PLATING OPTIONS

	CONTACT PLATING	TERMINAL PLATING	RATINGS
Q	Silver	Silver	6 Amps with resistant load @ 125VAC
C	Gold over Silver	Gold over silver	3 Amps with resistant load @ 250VAC or 28VDC
R	Gold	Gold	0.4 Volt - Amps (VA) max. @ 20V max. (AC or DC)

▼ SOLDERING PROCESS

MANUAL SOLDERING: Use 30 watts soldering iron and controlled the temperature at 350°.

Duration of solder immersion: Max. 5 sec.

WAVE SOLDERING: Recommend soldering temperature: 260 ± 5°C

Duration of solder immersion: Max. 5 sec. (PCB thickness is 1.6mm)